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(54) Title: **HEMIPTERAN POLO-LIKE KINASES**

(57) Abstract: Novel nucleic acid sequences encoding *Hemipteran* polo-like kinases, and recombinant expressions and host cells comprising the same are disclosed. Isolated *Hemipteran* polo-like kinases, host cells expressing *Hemipteran* polo-like kinases, methods of producing the *Hemipteran* polo-like kinases and antibodies specific for *Hemipteran* polo-like kinases are also disclosed. Methods of identifying modulators and/or inhibitors of *Hemipteran* polo-like kinases are disclosed

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